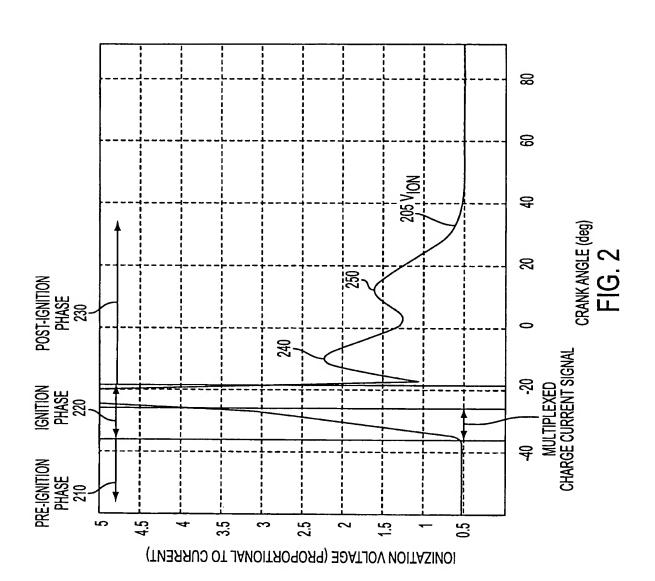
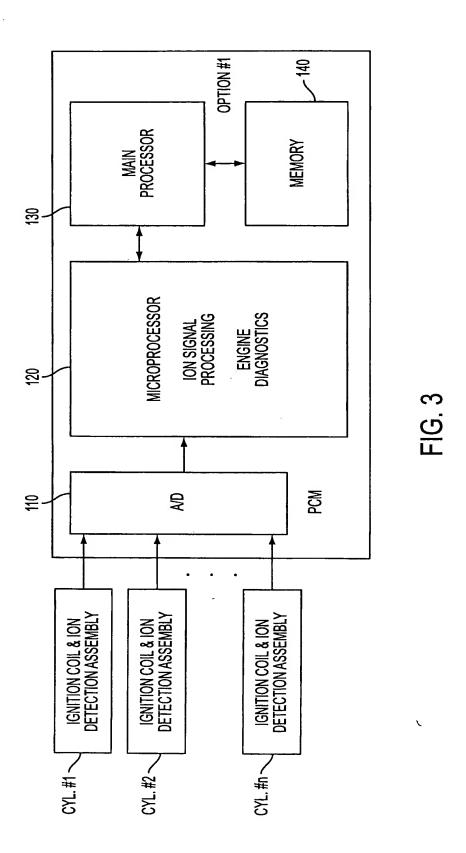
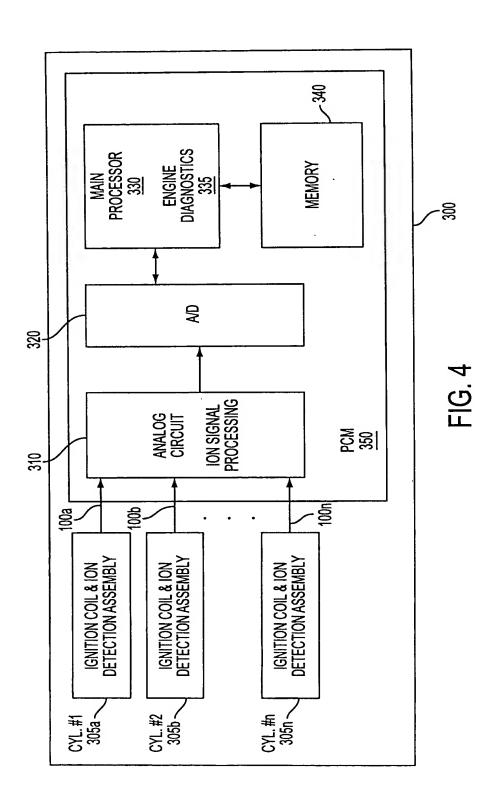


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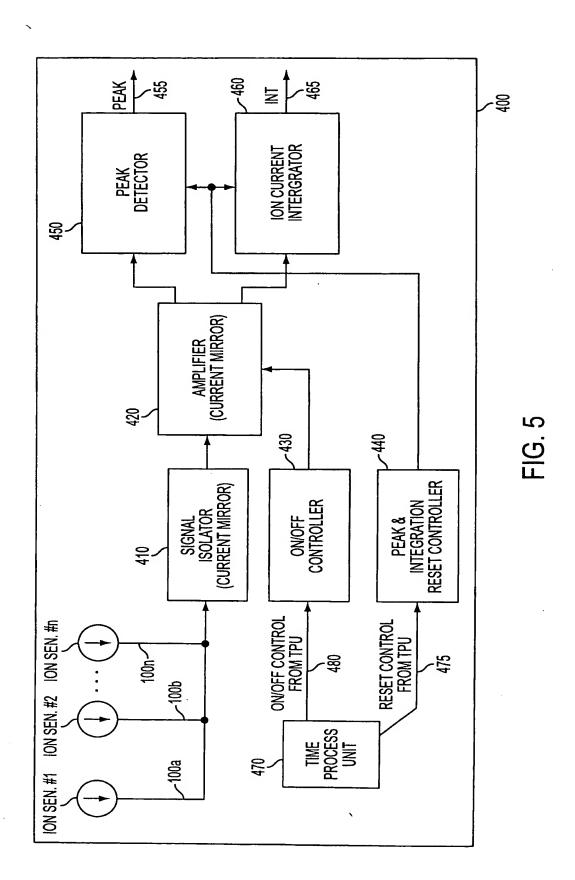






### INVENTORS: Zhu, et al.

TITLE: AN IC ENGINE DIAGNOSTIC SYSTEM USING THE PEAK AND INTEGRATION IONIZATION CURRENT SIGNALS
ATTORNEY DOCKET: 46107-0098
ATTORNEY OF RECORD: DOUGLAS A. MULLEN (202/457-0160)

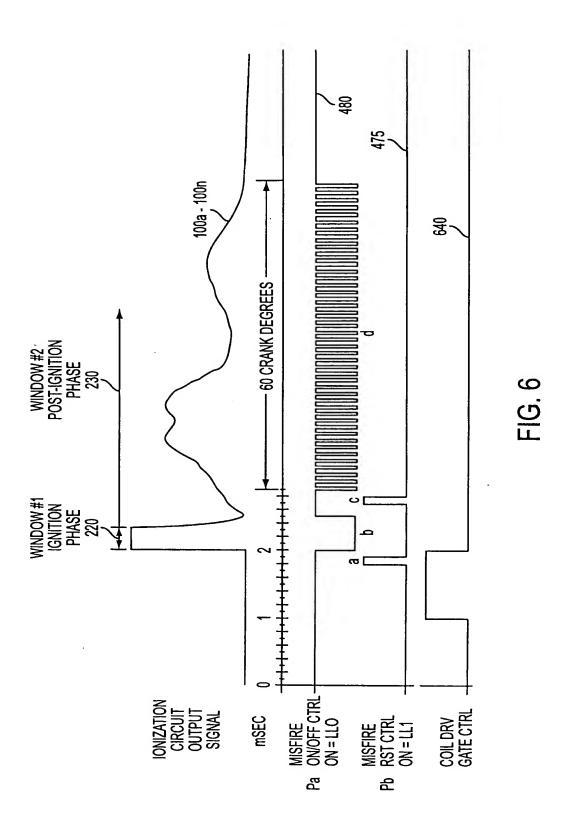


INVENTORS: Zhu, et al.

TITLE: AN IC ENGINE DIAGNOSTIC SYSTEM USING THE PEAK AND INTEGRATION IONIZATION CURRENT SIGNALS

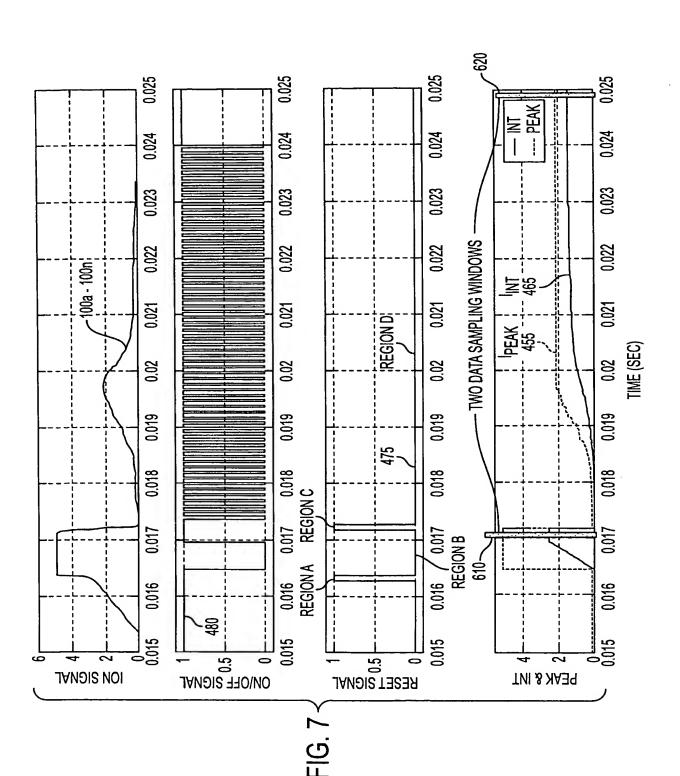
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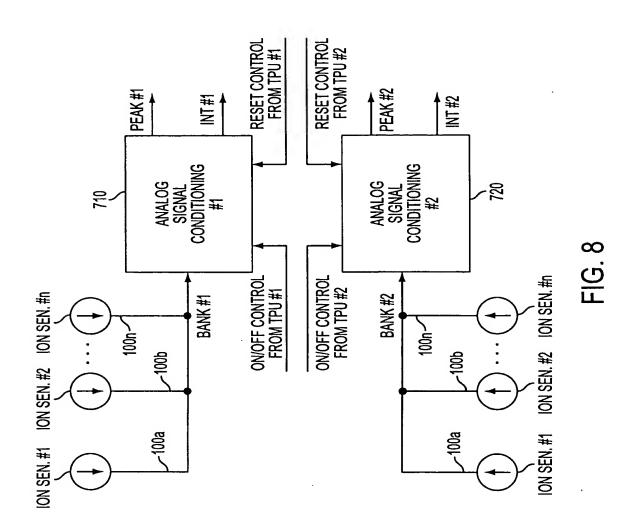
ATTORNEY OF RECORD: DOUGLAS A. MULLEN (202/457-0160)



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ATTORNEY OF RECORD: DOUGLAS A. MULLEN (202/457-0160)





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ATTORNEY OF RECORD: DOUGLAS A. MULLEN (202/457-0160)

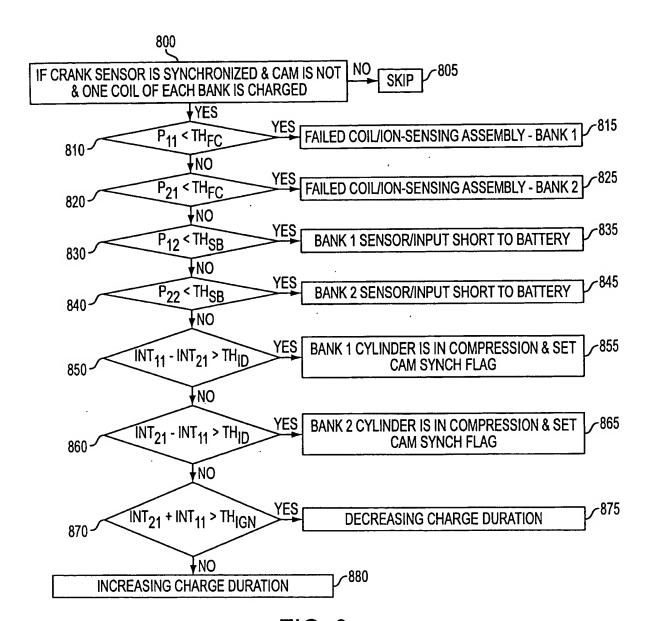


FIG. 9

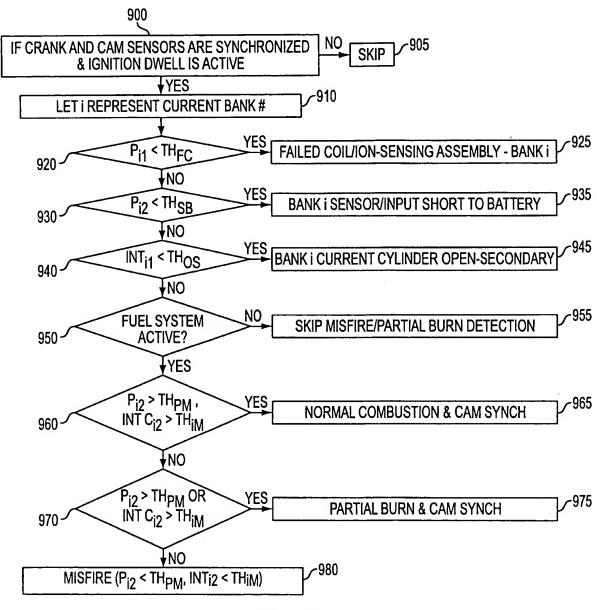


FIG. 10